

FIGURE 1

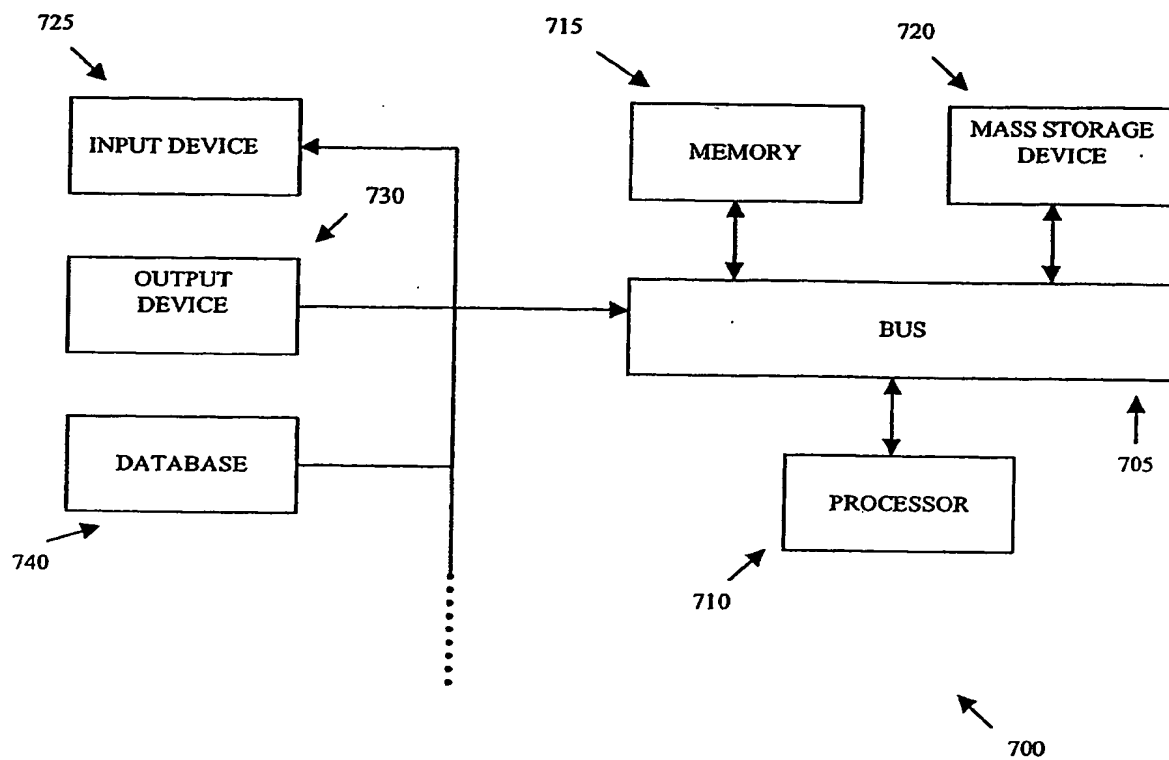
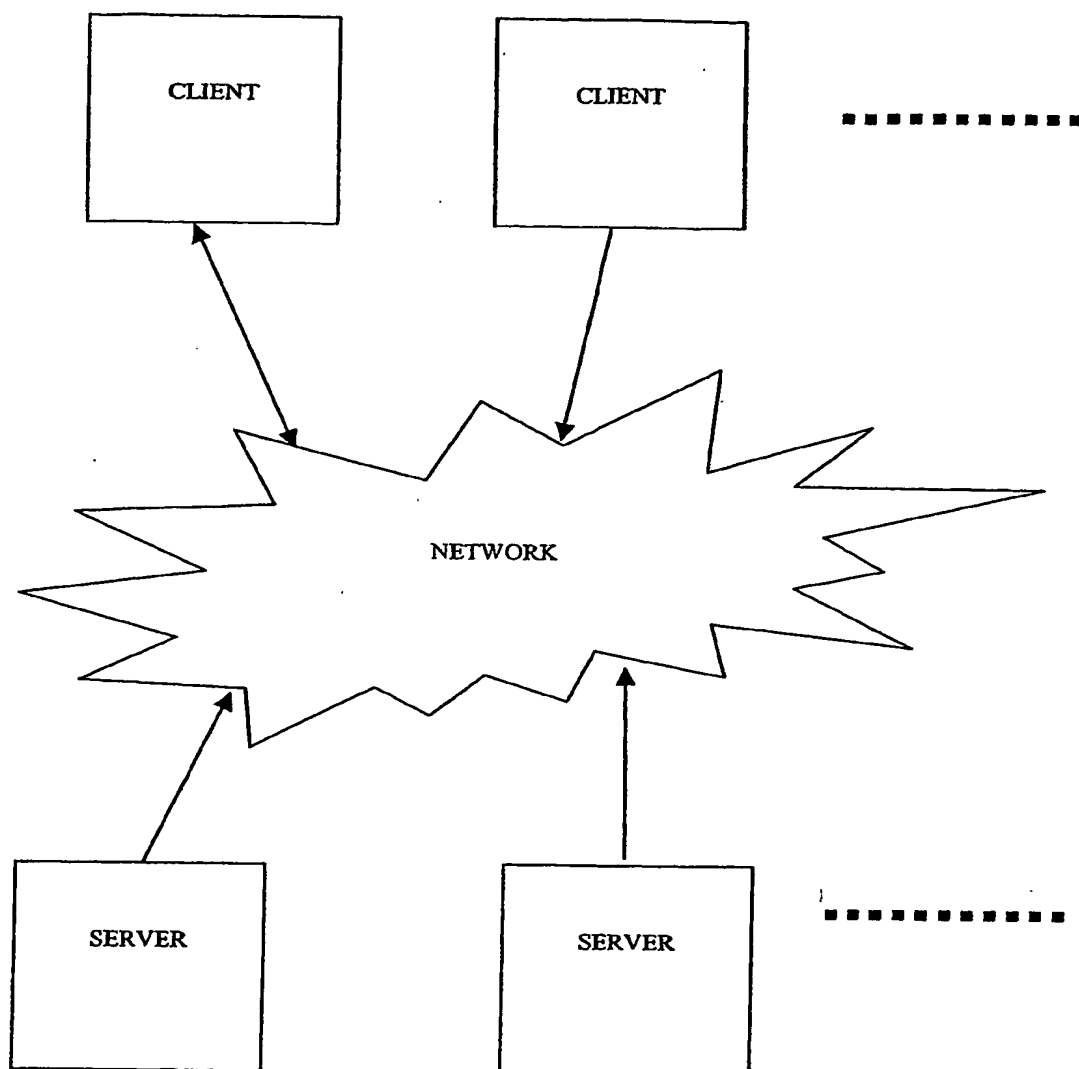


FIGURE 2



planeti mathematics development chart

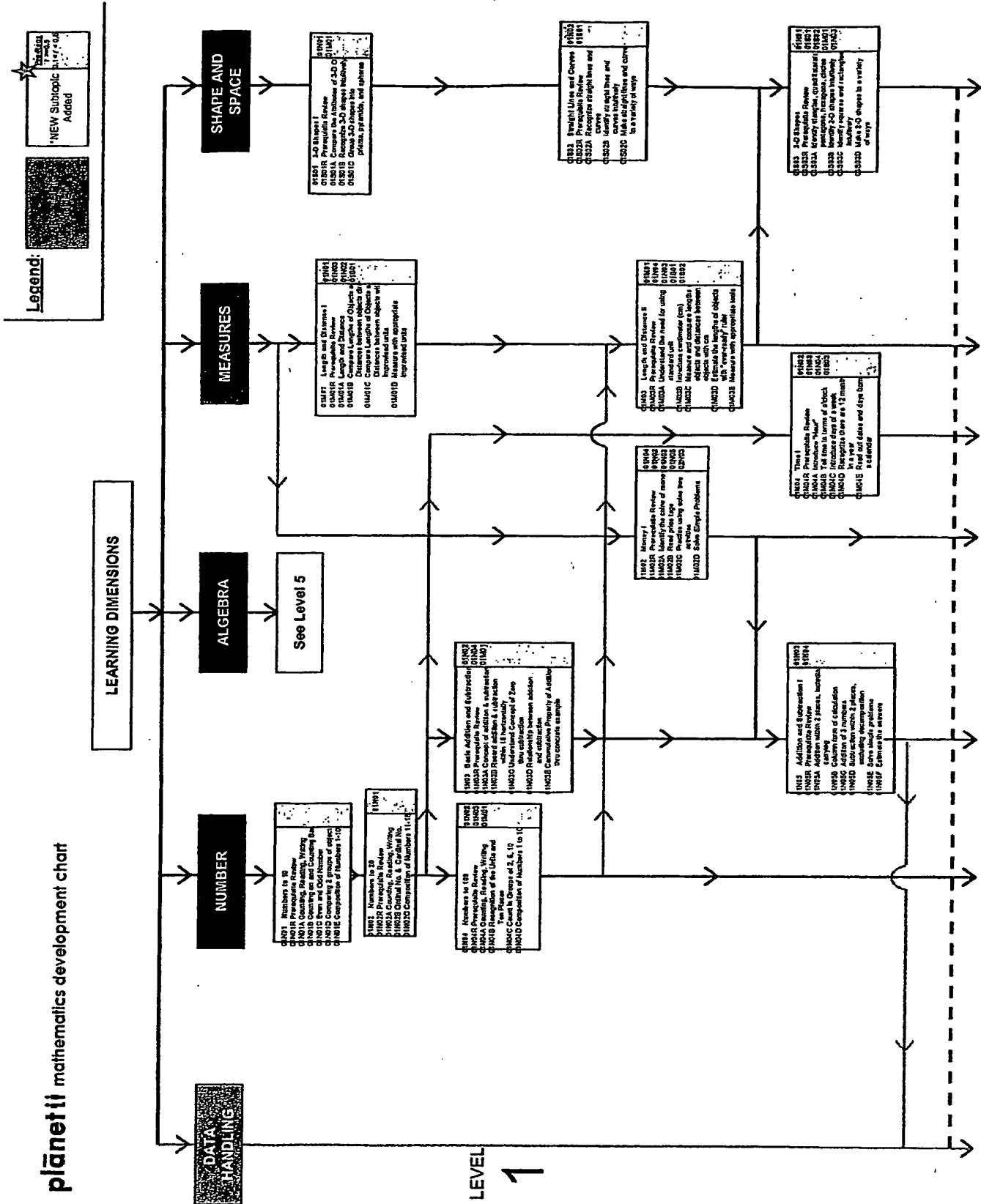
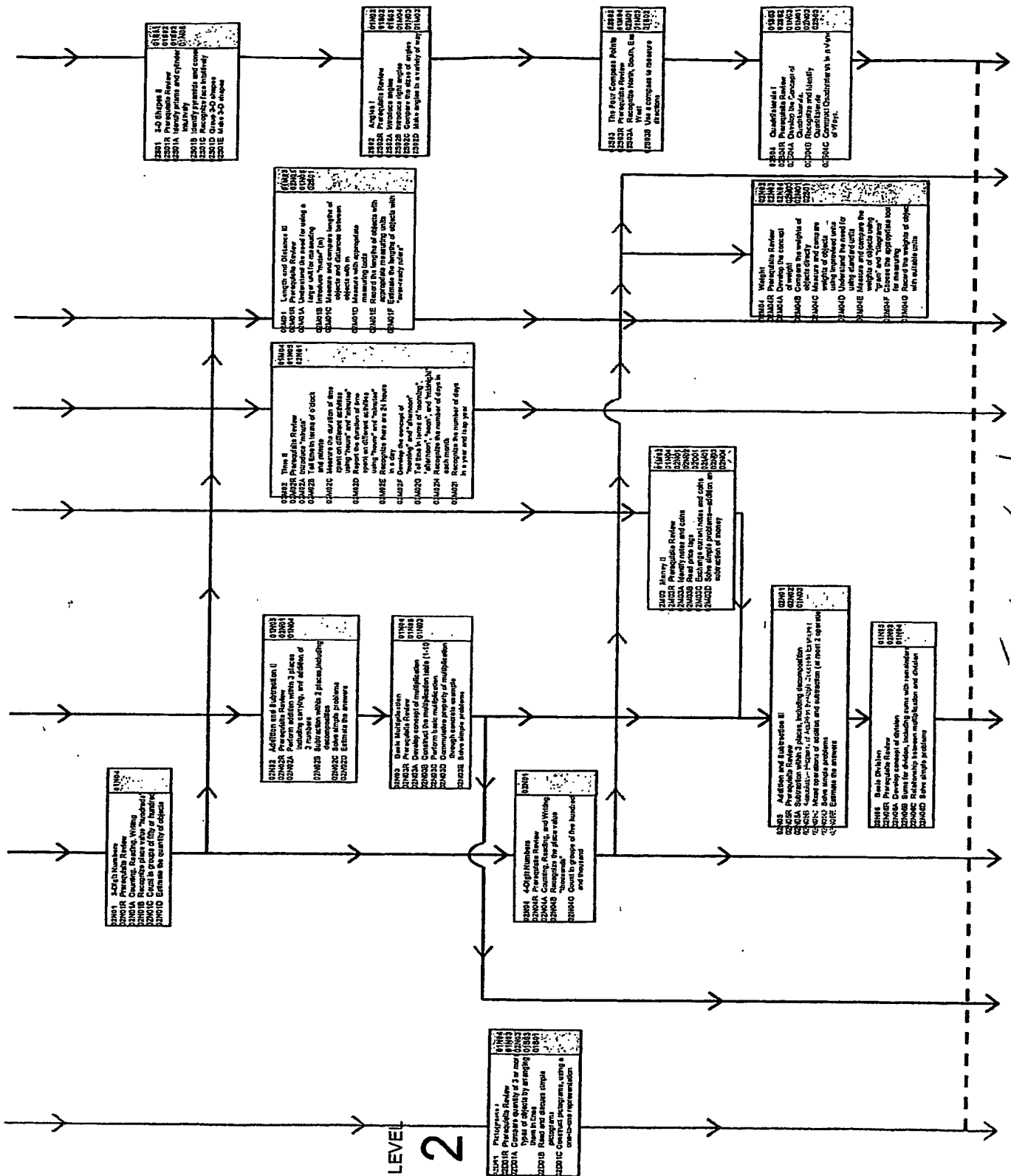
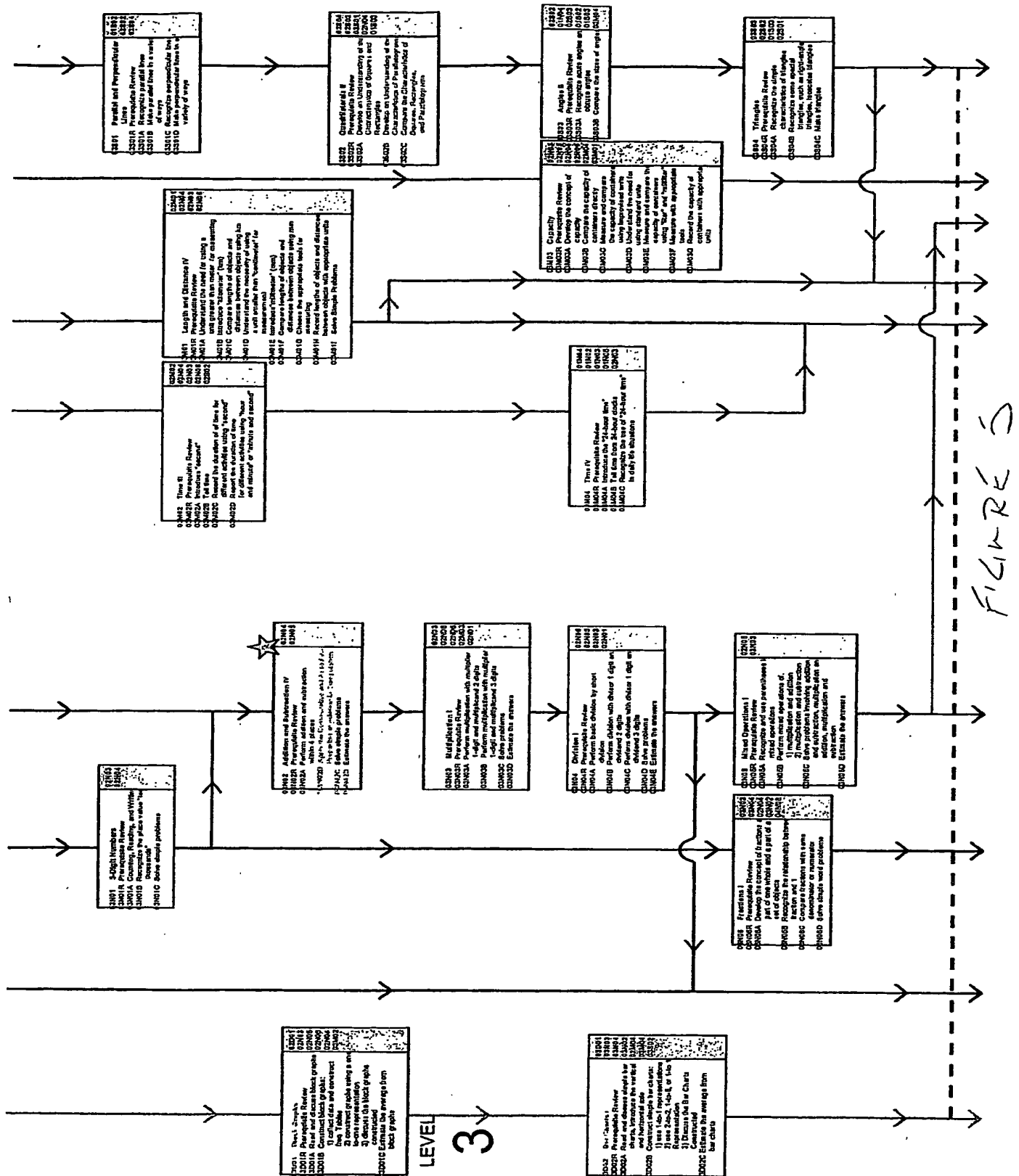
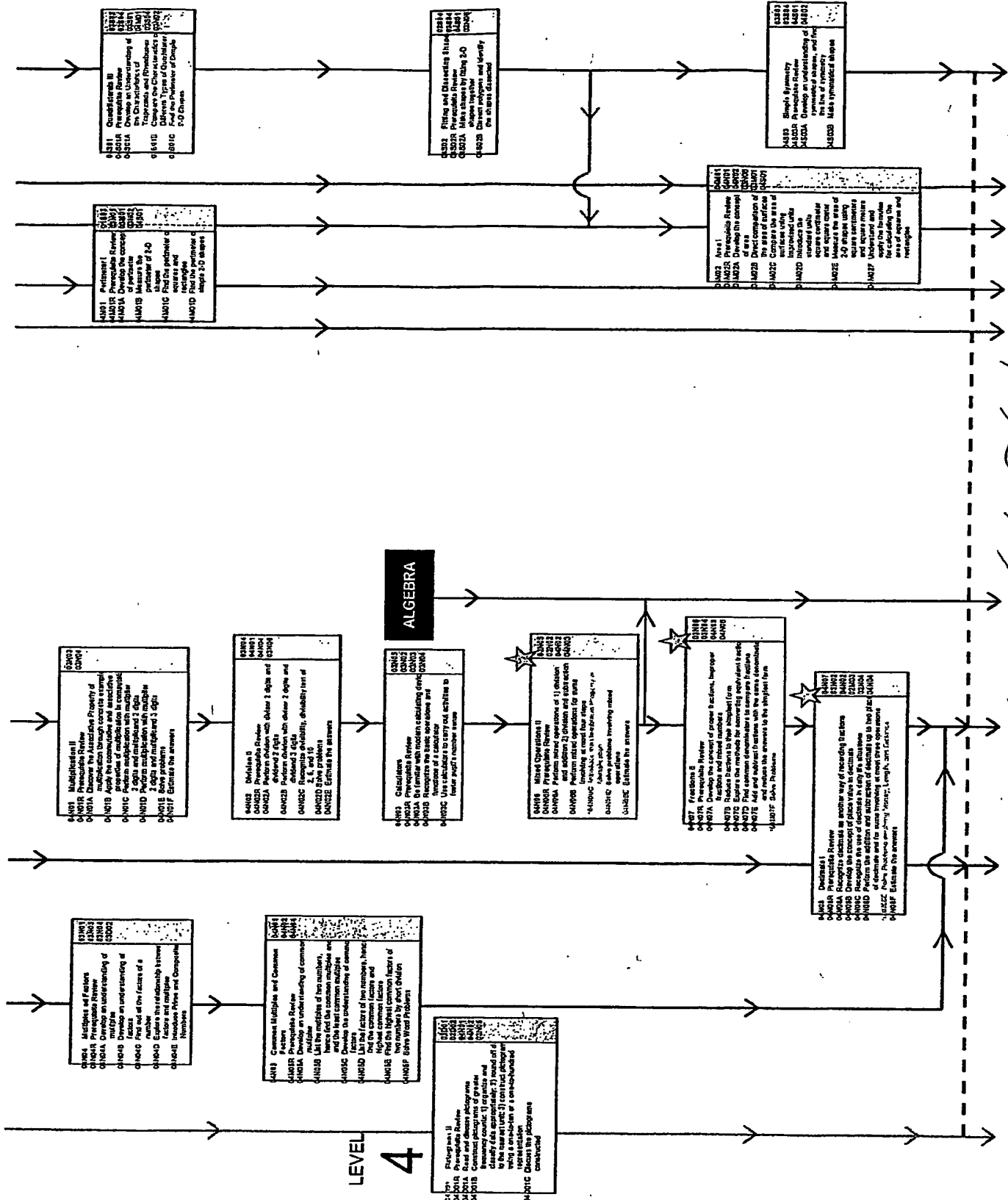


FIGURE 3

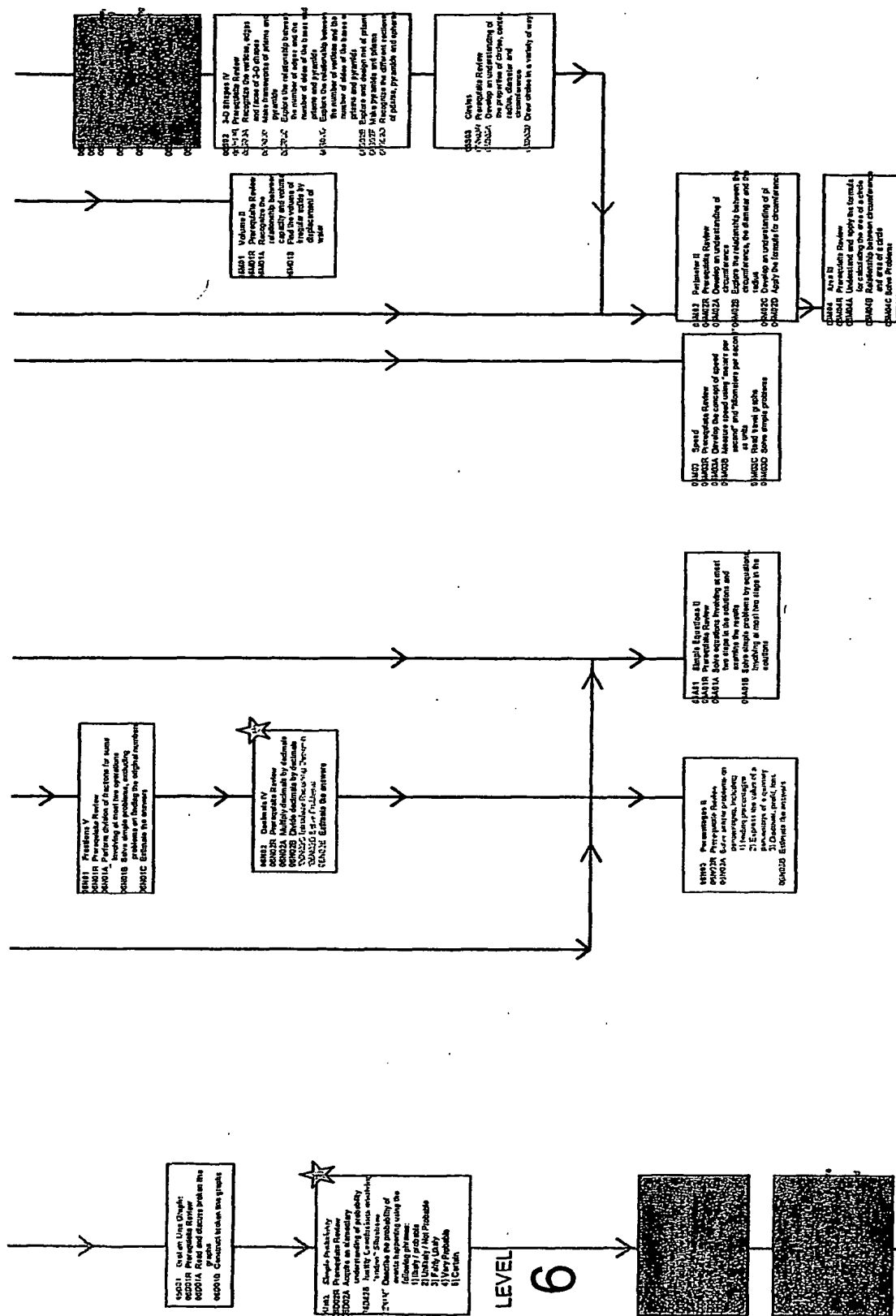


Filme 4





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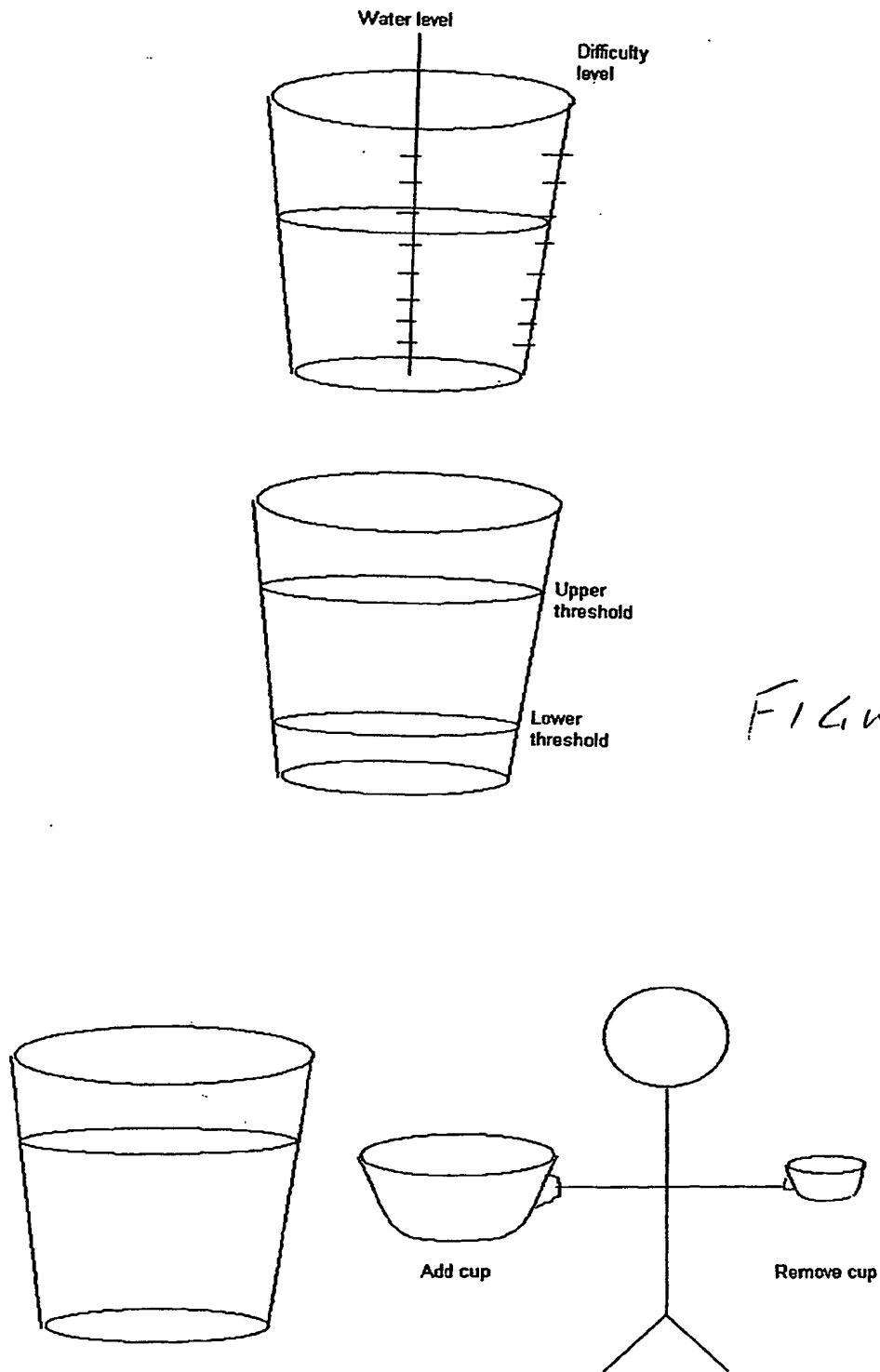


FIGURE 9

Add cup and remove cup are different in sizes depending on the current state of the bucket

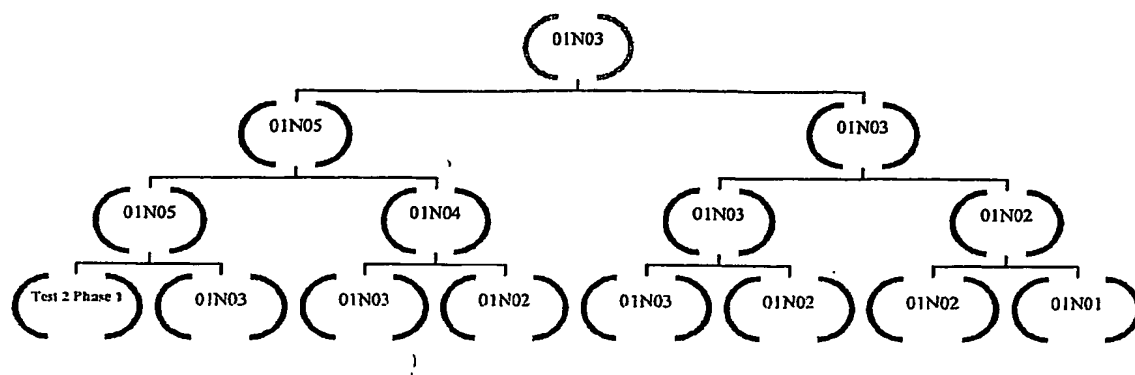


FIGURE 10

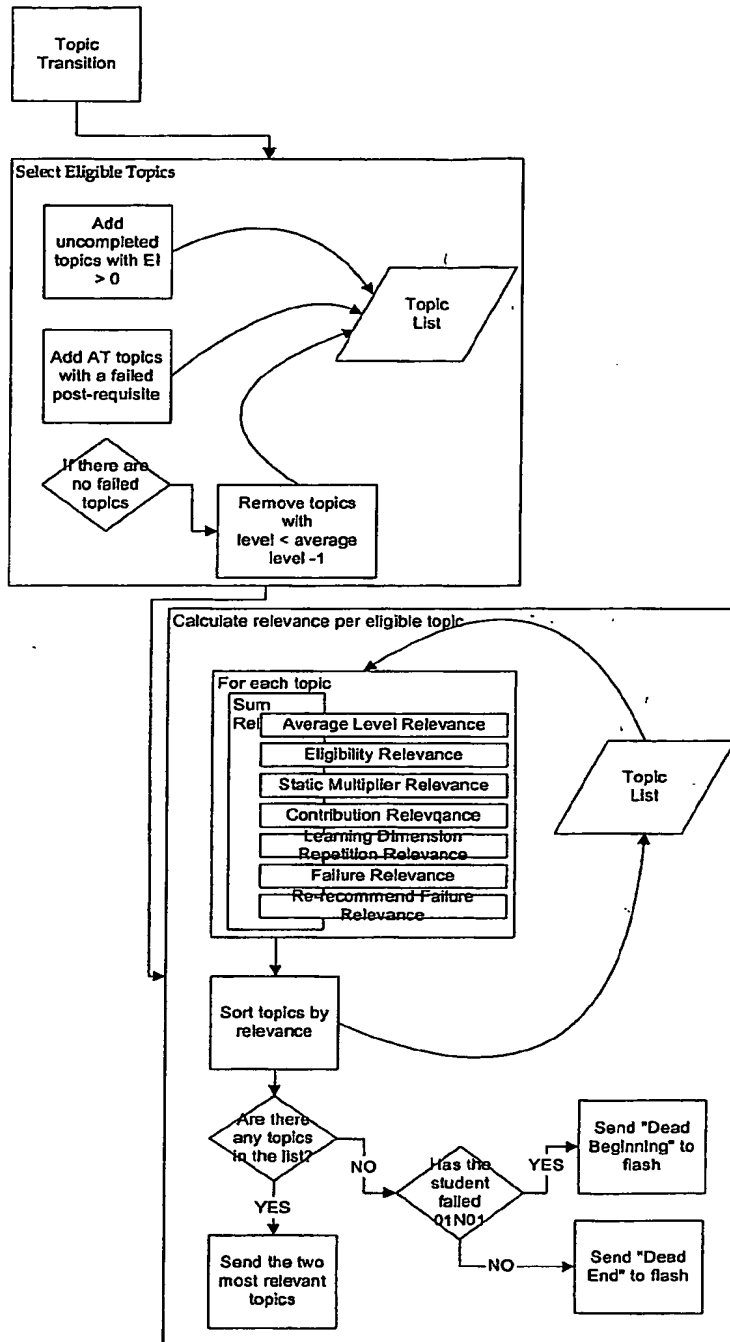
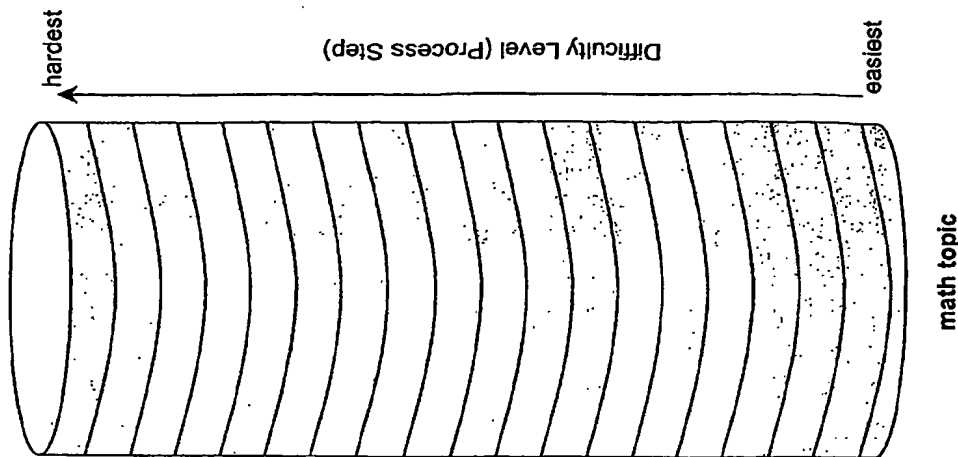
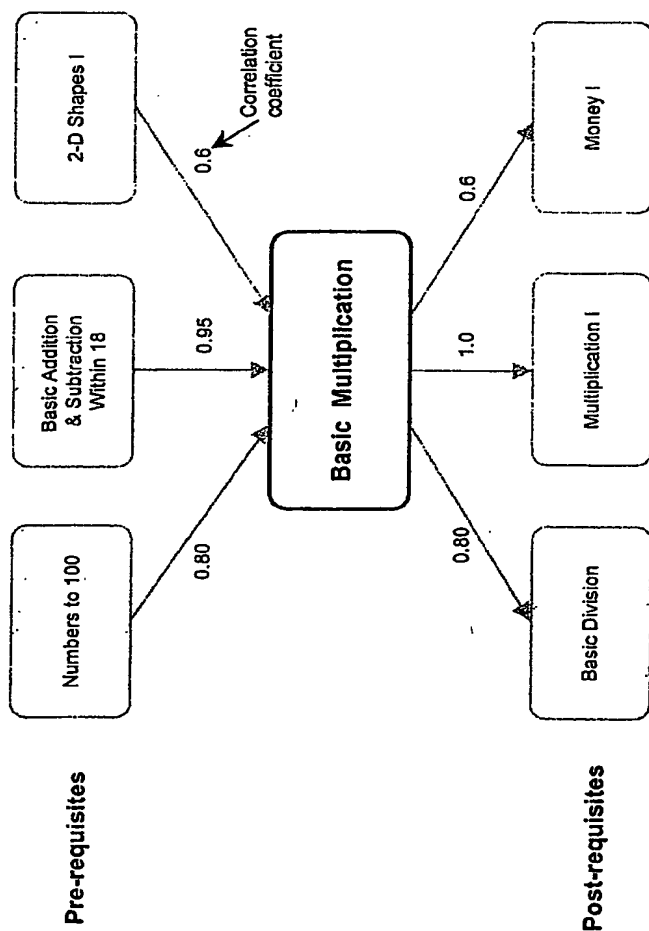


FIGURE 11

planetii Networked Math Curriculum



1. Each topic is connected by a group of pre-requisite and post-requisite topics.
2. The **correlation coefficient** is a quantitative measure of the level of importance of a pre-requisite topic to its respective topic.
3. Each topic is filled with questions sequenced by a wide range of difficulty levels.

FIGURE 12

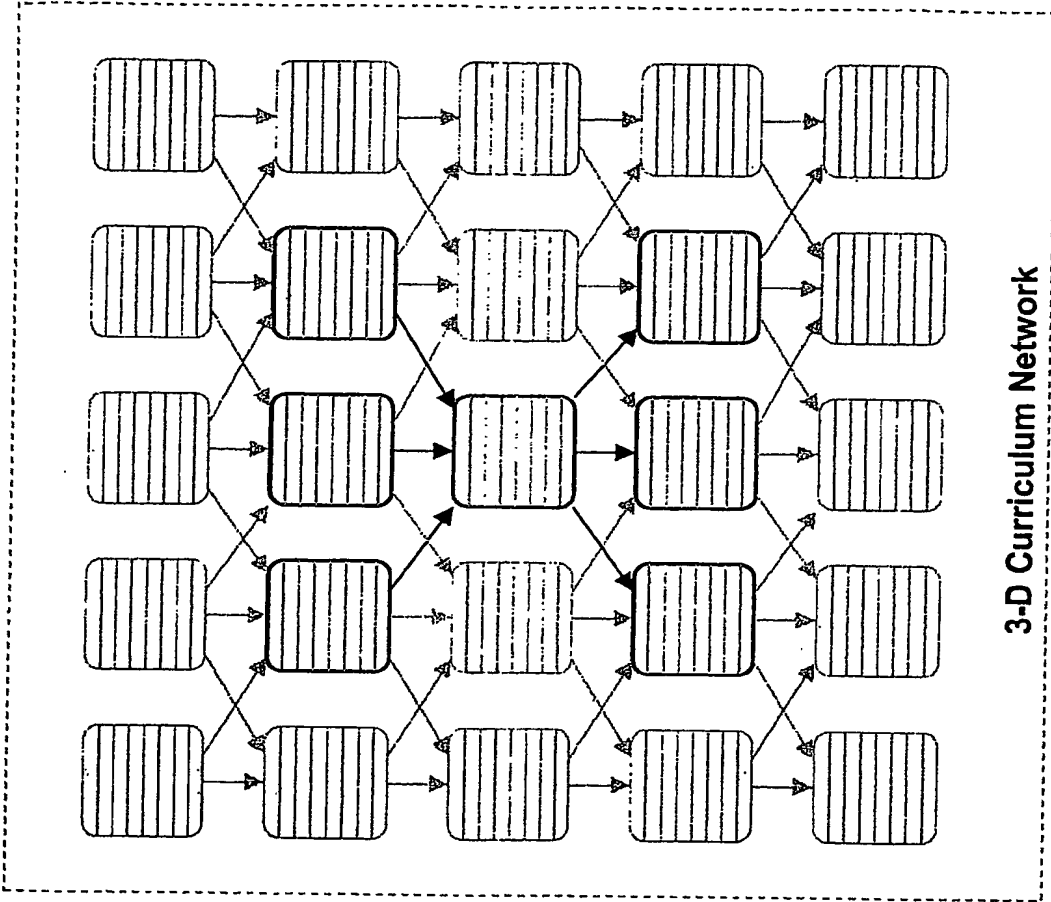


FIGURE 13

Index	Subtopic Code	Process	Sample Question Text	Multiple Choice Answers					Answer	What Do We Know?	How Do We Get The Answer?	What's The Answer?
				a.	b.	c.	d.	e.				
70	02N02C	90	$354 = \text{---}$ tens and 4 ones	5	35	354	30	50	b			
71	02N02C	95	There were 85 people in the park. 37 of them were male. How many of them were female?	52 females	42 females	48 females	58 females	122 females	c			
72	02N02C	95	Mrs. Kim sold 25 eggs this morning. She sold another 50 eggs in the afternoon. She still has 18 eggs left. How many eggs did she have to begin with?	93 eggs	75 eggs	25 eggs	68 eggs	7 eggs	a	See Figure 4: A group of 25 eggs ("Sold") and a group of 50 eggs ("Sold") with a "+" sign between the two groups of eggs. "Mrs. Kim" with 18 eggs.		
73	02N02C	95	$854 + 354 = \text{---}$	1,208	1,108	1,158	500	208	a			
74	02N02C	100	5 twos = ---	5×6	2×2	$2 + 2 + 2 + 2 + 2$	55	22	c	See Figure 5: 5 boxes with 2 simple shapes in each box ("5 twos")		
75	02N02C	100	4 threes = ---	4	8	12	6	9	c	See Figure 6: 4 boxes with 3 simple shapes in each box ("4 threes")		
76	02N02C	100	Grace is 30 years younger than her father. Her brother is 1 year older than Grace. Grace's father is 57 years old. How old is Grace's brother?	68 years old	27 years old	28 years old	28 years old	28 years old	.	WHAT DO WE KNOW? Grace's father is 57 years old. Grace is 30 years younger than her father, and her brother is 1 year older than she. HOW DO WE GET THE ANSWER? Grace is (57 - 30) years old. She is 27 years old. Grace's brother is (27 + 1) years old. WHAT'S THE ANSWER? Grace's brother is 28 years old.		

FIGURE 14

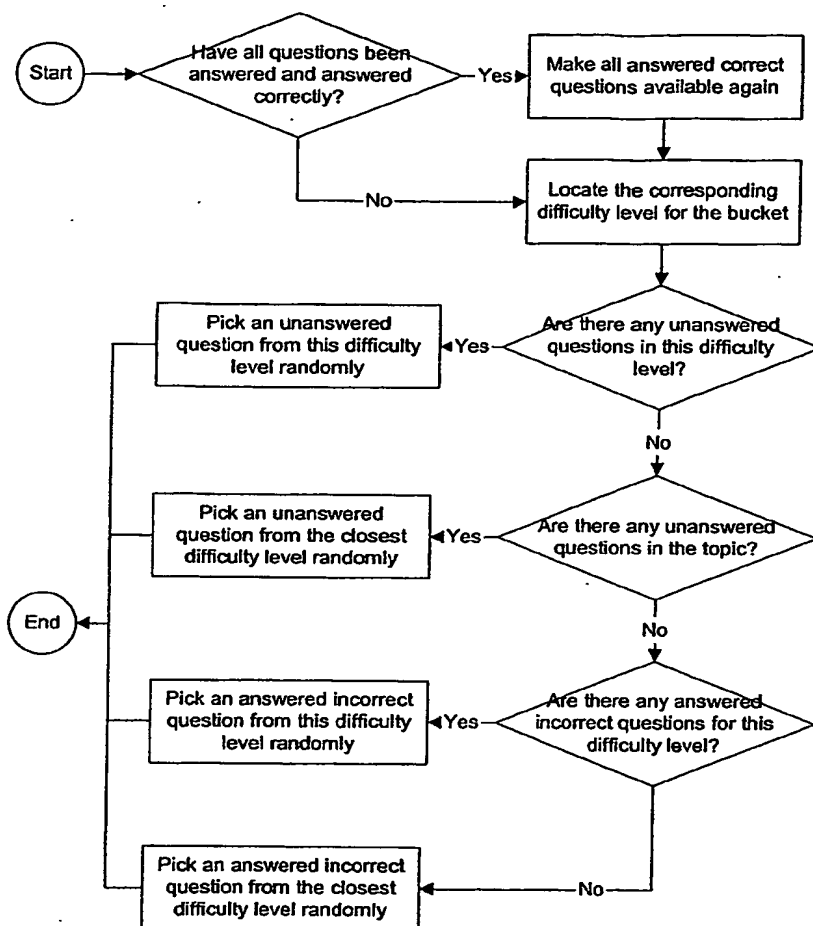


FIGURE 15